

04-03-06

cjc



PATENT  
ATTORNEY DOCKET NO. 10498-00031

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Pamela C. Yelick, John D. Bartlett,  
Joseph P. Vacanti, Bjorn R. Olsen, and  
Phillip Stashenko

) Before the Examiner:  
) Melanie D. Bissett

Serial No.: 09/997,734  
Filed: November 29, 2001

) Art Unit: 4087

Patent No.: 6,899,915  
Issued: May 31, 2005

Title: METHODS AND COMPOSITIONS FOR  
CULTURING A BIOLOGICAL TOOTH

**Certificate**  
**APR 07 2006**  
**of Correction**

Attention: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CERTIFICATE OF CORRECTION**  
**UNDER 35 U.S.C. 254 and 37 CFR 1.322**

Dear Sir:

On December 22, 2004, in response to the Notice Regarding Drawings mailed October 28, 2004, Applicants submitted Replacement Formal Drawings in the above-referenced application. Copies of the Transmittal of Replacement Formal Drawings, the replacement formal drawings, and the returned/stamped postcard are enclosed.

On February 24, 2005, a second Notice Regarding Drawings was sent in error requesting corrected drawings. On March 1, 2005 USPTO Draftsman, Son Lam, was contacted and he confirmed receipt of the replacement drawings filed on December 22,

US Patent No. 6,899,915  
Express Mail Receipt No. EV 814483364 US

**APR -7 2006**

2004. Mr. Lam withdrew the Notice Regarding Drawings issued on February 24, 2005. A copy of the Letter to Withdraw Drawing Requirement dated March 3, 2005 is enclosed.

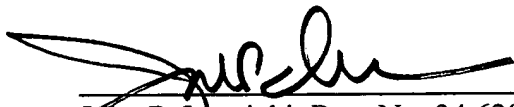
Despite timely receipt of the replacement formal drawings, the above-referenced patent, US 6,899,915, was published with a prior, poorly scanned set of the figures and not with the replacement drawings submitted December 22, 2004. Applicants therefore hereby request a correction of the issued patent to include the replacement formal drawings. A Certificate of Correction Form PTO/SB/44, reciting the specific changes required, accompanies this request.

The holder of U.S. Patent No. 6,899,915 submits that the corrections neither constitute new matter nor require re-examination. The holder further submits that the requested correction does not materially affect the scope or meaning of the patent.

The holder of U.S. Patent No. 6,899,915 submits that the errors are the result of a mistake on the part of the Patent and Trademark Office, and therefore no fee is required for the correction. An identical original set of replacement drawings (Figures 1-20) are attached to the Certificate of Correction Form PTO/SB/44.

Respectfully submitted,

Dated: March 21, 2006

  
\_\_\_\_\_  
John P. Iwanicki, Reg. No. 34,628  
BANNER & WITCOFF, LTD.  
28 State Street, 28th Floor  
Boston, MA 02109  
(617) 720-9600

APR - 7 2006



PATENT  
ATTORNEY DOCKET NO. 10498-00031

**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Pamela C. Yelick, John D. Bartlett,  
Joseph P. Vacanti, Bjorn R. Olsen, and  
Phillip Stashenko

Before the Examiner:  
Melanie D. Bissett

Serial No.: 09/997,734  
Filed: November 29, 2001

Art Unit: 4087

Patent No.: 6,899,915  
Issued: May 31, 2005

Title: METHODS AND COMPOSITIONS FOR CULTURING A BIOLOGICAL TOOTH

Attention: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## TRANSMITTAL LETTER

In regard to the above identified application, we are transmitting herewith the attached:

1. Request for Certificate of Correction Under 35 U.S.C. 254 and 37 CFR 1.322;
2. Certificate of Correction PTO Form SB/44;
3. A copy of the Transmittal of Replacement Formal Drawings submitted December 22, 2004;
4. A copy of twenty (20) sheets of replacement formal drawings submitted December 22, 2004;
5. A copy of the returned/stamped postcard submitted with the formal drawings on December 22, 2004;

APR - 7 2006

US Patent No. 6,899,915  
Express Mail Receipt No. EV 814483364 US

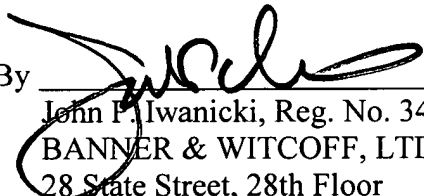
EV814488364US

6. A copy of Draftsman Son Lam's Letter to Withdraw Drawing Requirement dated March 2, 2005 with a copy of his annotated copy of the Notice Regarding Drawings mailed February 24, 2005;
7. Twenty (20) sheets of replacement formal drawings; and
8. Return postcard.

With respect to additional fees, **no fee is due**. The Commissioner is authorized to credit any overpayment to Deposit Account No. 19-0733.

Respectfully submitted,

Dated: March 31, 2006

By   
John P. Iwanicki, Reg. No. 34,628  
BANNER & WITCOFF, LTD.  
28 State Street, 28th Floor  
Boston, MA 02109  
(617) 720-9600

APR - 7 2006



COPY

U.S. Patent and Trademark Office

Date: Mar. 03, 2005



Letter to Withdraw Drawing Requirement

To: Laurie Hall  
Banner & Witcoff, LTD.  
28 State Street, 28<sup>th</sup> Floor  
Boston, MA 02109

Fr.: Son Lam, USPTO Draftsman  
(703) 305-0333 (Ext. 133)

Subject: Drawing Requirement Withdrawal, Application No. 09997,734  
Method and Compositions for Culturing a Biological Tooth

RECEIVED

MAR 03 2005

BANNER & WITCOFF

Dear Ms. Laurie Hall,

After consulting with the Examiner Melanie Bissett and my Supervisor Joshua Chase, I waive all the requirements indicated in the form PTO948, issued by William Sale on 02/24/05, because:

1/ All the drawings are clear enough for the understanding of the invention, confirmed by the Examiner.

2/ All the illustrations are in the best form for reproduction and publication.

Thank you for your patience,

Regards,

PTO Draftsman: Son Lam

APR - 7 2006

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 12/22/04 are:

- A. ☒ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or color (3 sets required).

Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_  
Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_

2. PHOTOGRAPHS. 37 CFR 1.84(b)  
One (1) full-tone set is required. Fig(s) \_\_\_\_\_  
Photographs may not be mounted. 37 CFR 1.84(c)  
Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) \_\_\_\_\_  
Poor quality (half-tone). Fig(s) \_\_\_\_\_

3. TYPE OF PAPER. 37 CFR 1.84(e)  
Paper not flexible, strong, white, and durable. Fig(s) \_\_\_\_\_  
Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) \_\_\_\_\_

4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:  
21.0 cm by 29.7 cm (DIN size A4) or  
21.6 cm by 27.9 cm (8 1/2 x 11 inches)  
All drawing sheets not the same size. Sheet(s) \_\_\_\_\_  
Drawings sheets not an acceptable size. Fig(s) \_\_\_\_\_

5. MARGINS. 37 CFR 1.84(g): Acceptable margins:  
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
Margins not acceptable. Fig(s) \_\_\_\_\_  
Top (T) \_\_\_\_\_ Left (L) \_\_\_\_\_  
Right (R) \_\_\_\_\_ Bottom (B) \_\_\_\_\_

6. VIEWS. 37 CFR 1.84(h)  
REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.  
☒ Views not labeled separately or properly. w/fig legends  
Fig(s) 18-20

7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)  
Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(j)  
Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_

9. SCALE. 37 CFR 1.84(k)  
Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_

10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)  
☒ Lines, numbers & letters not uniformly thick and well defined, clear, durable, and black (poor line quality). Fig(s) 5, 6, 11-13

11. SHADING. 37 CFR 1.84(m)  
☒ Solid black areas pale. Fig(s) 5, 6, 11, 12  
☒ Solid black shading not permitted. Fig(s) 5, 6, 11, 12

12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)  
Numbers and reference characters not plain and legible. Fig(s) \_\_\_\_\_

Figure legends are poor. Fig(s) \_\_\_\_\_  
Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_

English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_

Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) \_\_\_\_\_

13. LEAD LINES. 37 CFR 1.84(q)  
Lead lines missing. Fig(s) \_\_\_\_\_

14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)  
Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) \_\_\_\_\_

15. NUMBERING OF VIEWS. 37 CFR 1.84(u)  
Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_

16. DESIGN DRAWINGS. 37 CFR 1.152  
Surface shading shown not appropriate. Fig(s) \_\_\_\_\_

Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) \_\_\_\_\_

COMMENTS:

- Fig 2 & 10 need to be reproduced for clarity  
- B/W India Ink drawing req'd for fig 5, 6, 11 & 12

Reviewer \_\_\_\_\_

If you have questions, call (703) 305-8404.

Date 2/24/05

Attachment to Paper No. \_\_\_\_\_

03/03/05  
WAIVED BY USPTO DRAFTSMAN: SON LAM  
SEE ATTACHED LETTER

# UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF CORRECTION

Page 1 of 21

PATENT NO. : 6,899,915

APPLICATION NO. : 09/997,734

ISSUE DATE : May 31, 2005

INVENTOR(S) : Pamela C. Yelick, John D. Bartlett, Joseph P. Vacanti, Bjorn R. Olsen, Phillip Stashenko

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The above-referenced patent was published with an incorrect and illegible set of drawings. Applicants request that the drawings in the above-referenced patent be deleted and replaced with the attached twenty (20) sheets of formal drawings, previously submitted on December 22, 2004.

## MAILING ADDRESS OF SENDER:

John P. Iwanicki  
Banner & Witcoff, Ltd.  
28 State Street, 28th Floor,  
Boston, MA 02109

PATENT NO. 6,899,915

No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

APR - 7 2006

**Commissioner for Patents**

P.O. Box 1450, Alexandria, VA 22313-1450

Applicants: Pamela C. Yelick et al.

USSN: 09/997,734

Title: METHODS AND COMPOSITIONS FOR CULTURING A BIOLOGICAL TOOTH

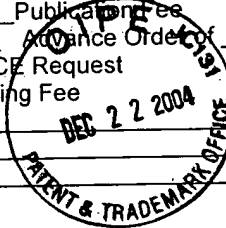
Atty.: JPIwanicki

Docket No.: 10498-00031

Filed: November 29, 2001

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

- |   |   |
|---|---|
| <input type="checkbox"/> Transmittal Letter ___ pages   | <input type="checkbox"/> Amendment/Response ___ pages         |
| <input type="checkbox"/> Specification ___ pages:   | <input type="checkbox"/> Petition for Extension (___ months)  |
| <input type="checkbox"/> ___ claims, ___ independent claims, ___ abstract                         | <input type="checkbox"/> Preliminary Amendment ___ pages      |
| <input checked="" type="checkbox"/> Drawings [X] formal [ ] informal <u>20</u> replacement sheets | <input type="checkbox"/> Request for Corrected Filing Receipt |
| <input type="checkbox"/> IDS: ___ pages; ___ PTO-1449: ___ page; ___ references                   | <input type="checkbox"/> Issue Fee (w/ PTOL-85B)              |
| <input type="checkbox"/> Declaration & POA [ ] signed [ ] unsigned ___ pages                      | <input type="checkbox"/> Publication Fee                      |
| <input type="checkbox"/> Small Entity Statement (small entity status is claimed)                  | <input type="checkbox"/> Advance Order of ___ copy            |
| <input type="checkbox"/> Assignment with recordation cover sheet                                  | <input type="checkbox"/> RCE Request                          |
| <input type="checkbox"/> Response re Missing Parts (with copy of Notice)                          | <input type="checkbox"/> Filing Fee                           |
| <input checked="" type="checkbox"/> Other Transmittal of Replacement Formal Drawings              |   |



Fee Enclosed: \_\_\_\_\_ Debit Deposit Acct. No. 19-0733 for \_\_\_\_\_

Exp. Mail Receipt No. EV 396914867 US

Mailed: 12/22/04 Client: Harvard

Respectfully submitted,  
BANNER & WITCOFF, LTD.

EXPRES.  
POSTAGE  
DOMEST

COPY



EV 396914867 US



Customer Copy  
Label 11-F June 2002

UNITED STATES POSTAL SERVICE®

Post Office To Addressee

**ORIGIN (POSTAL USE ONLY)**

PO ZIP Code <u>02196</u>	Day of Delivery <input checked="" type="checkbox"/> Next <input type="checkbox"/> Second	Flat Rate Envelope <input checked="" type="checkbox"/> <u>13.65</u>
Date In Mo. <u>12</u> Day <u>22</u> Year <u>04</u>	<input checked="" type="checkbox"/> 12 Noon <input type="checkbox"/> 3 PM	Postage \$
Time In <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM <u>5:20</u>	Military <input type="checkbox"/> 2nd Day <input type="checkbox"/> 3rd Day	Return Receipt Fee \$
Weight lbs. <u>5</u> ozs.	Int'l Alpha Country Code	COD Fee Insurance Fee
No Delivery <input type="checkbox"/> Weekend <input type="checkbox"/> Holiday	Acceptance Clerk Initials <u>W</u>	Total Postage & Fees \$ <u>13.65</u>

**DELIVERY (POSTAL USE ONLY)**

Delivery Attempt Mo. Day	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature
Delivery Attempt Mo. Day	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature
Delivery Date Mo. Day	Time <input type="checkbox"/> AM <input type="checkbox"/> PM	Employee Signature

WAVES OF SIGNATURE (Domestic Only) Additional merchandise insurance is void if no signature is requested. I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.

NO DELIVERY ☐ Weekend ☐ Holiday

**CUSTOMER USE ONLY**

**METHOD OF PAYMENT:**

Express Mail Corporate Acct. No.

X021571

**FROM: (PLEASE PRINT)**

PHONE (617) 720-9600

BANNER & WITCOFF, LTD.  
28 STATE ST FL 28  
BOSTON

MA 02109-1775

(10498-00031 JPI)

**TO: (PLEASE PRINT)**

PHONE \_\_\_\_\_

COMMISSIONER FOR PATENTS  
PO BOX 1450  
ALEXANDRIA

VA 22313-1450

MAIL BOX ISSUE FEE

APR - 7 2006

PRESS HARD.  
You are making 3 copies.

FOR PICKUP OR TRACKING CALL 1-800-222-1811 www.usps.com



any

11b

DEC - 7 2006

© USPS 2002



COPY

PATENT  
ATTORNEY DOCKET NO. 10498-00031

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	
	)	
Pamela C. Yelick et al.	)	Examiner:
	)	
Serial No.: 09/997,734	)	Art Unit: 3732
	)	
Filed: November 29, 2001	)	
	)	
Title: METHODS AND COMPOSITIONS FOR	)	
CULTURING A BIOLOGICAL TOOTH	)	

Mail Stop Issue Fee  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attention: Official Draftsman

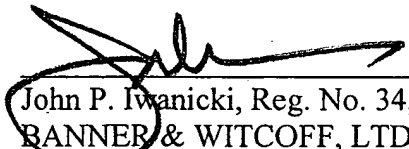
TRANSMITTAL OF REPLACEMENT FORMAL DRAWINGS

In response to the Notice Regarding Drawings mailed October 28, 2004, please substitute the enclosed twenty (20) sheets of formal drawings for the corresponding drawings presently in the application.

Please apply any other charges or credits to our Deposit Account No. 19-0733.

Respectfully submitted,

Date: December 22, 2004

  
John P. Iwanicki, Reg. No. 34,628  
BANNER & WITCOFF, LTD.  
28 State Street, 28th Floor  
Boston, MA 02109  
Telephone: (617) 720-9600

APR - 7 2004